



Docket No.: 043876-0162

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Customer Number: 20277
	:	
Craig HANSEN, et al.	:	Confirmation Number: 5073
	:	
Application No.: 10/757,851	:	Group Art Unit: 2183
	:	
Filed: January 16, 2004	:	Examiner: COLEMAN, ERIC
	:	

For: METHOD AND SOFTWARE FOR PARTITIONED FLOATING-POINT MULTIPLY-ADD OPERATIONS

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Ex Partes Reexam
Central Reexamination Unit
Office of Patent Legal Administration
United States Patent & Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

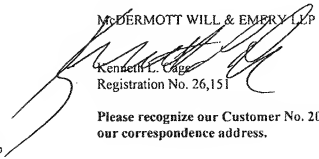
Dear Sir:

In accordance with 37 CFR §1.97, §1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached from PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. Please note that also included on the PTO-1449 is a patent family tree for U.S. patent no. 5,742,840.

Please charge any shortage of fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please fully credit any excess fees to such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP


Kenneth L. Cagg
Registration No. 26,151

600 13th Street, N.W.
Washington, DC 20005-3096
Phone: 202.756.8000 KLC:jwp
Facsimile: 202.756.8087
Date: July 12, 2007

Please recognize our Customer No. 20277 as
our correspondence address.



0 D

Approved for use through 07/31/2006. OMB 0531-0001
U. S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Project of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/757,851
		Filing Date	January 16, 2004
		First Named Inventor	Craig Hansen
		Group Art Unit	2181
		Examiner Name	COLEMAN, ERIC
		Attorney Docket Number	43876-162
Sheet	1	of	4

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
EC	A	US-4,509,119	04-02-1985	Gumser	
EC	B	US-4,943,919	07-24-1990	Aslin	
EC	C	US-5,208,914	05-04-1993	Wilson	
EC	D	US-5,253,342	10-12-1993	Blount	
EC	E	US-5,256,994	10-26-1993	Langendorf	
EC	F	US-5,287,327	02-15-1994	Takasugi	
EC	G	US-5,327,570	07-05-1994	Foster	
EC	H	US-5,371,772	12-06-1994	Al-Khairi	
EC	I	US-5,375,208	12-20-1994	Pilot	
EC	J	US-5,477,181	12-19-1995	Li	
EC	K	US-5,522,054	05-28-1996	Gumlock	
EC	L	US-5,530,960	06-25-1996	Parks	
EC	M	US-5,826,106	10-20-1998	Pang	
EC	N	US-5,828,869	10-27-1998	Johnson	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ Number * Kind Code ⁴ (if known)			
EC	O	WO 97/07450	02-27-1997	Hansen	

Examiner Signature	<i>Eric Coleman</i>	Date Considered	11/9/07
--------------------	---------------------	-----------------	---------

*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language translation is attached. The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1430, Alexandria, VA 22313-1430. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. Send To Commissioner For Patents, P. O. Box 1430, Alexandria, VA 22313-1430. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/757,851
		Filing Date	January 16, 2004
		First Named Inventor	Craig Hanson
		Group Art Unit	2183
		Examiner Name	COLEMAN, ERIC
Sheet	2	of	4
		Attorney Docket Number	43876-162

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issued number(s), publisher, city and/or country where published.	T ²
EC	P	11/2/05 Complaint for Patent Infringement (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	Q	2/16/06 SCEA's Motion for Stay of Litigation Pending Reexamination (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	R	3/1/06 MicroUnity's Opposition to Defendant's Motion for Stay of Litigation Pending Reexamination (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	S	3/1/06 MicroUnity's Answer to SCEA's Counterclaim (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	T	3/6/06 SCEA's Reply Supporting Its Motion for Stay of Litigation Pending Reexamination (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	U	9/29/06 Order Denying Motion to Continue, Finding as Moot Motion to Stay (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	V	12/1/06 MicroUnity's Disclosure of Asserted Claims And Preliminary Infringement Contentions Pursuant to Local Patent Rule 3-1 and Attachments A-Z, AA, and BB (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	W	12/1/06 MicroUnity's Identification of Documents Pursuant to Local Patent Rule 3-2 (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	X	12/20/06 MicroUnity's Initial Disclosures (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	Y	12/21/06 SCEA's Initial Disclosures Pursuant to the Discovery Order (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	Z	1/25/07 First Amended Complaint for Patent Infringement and Exhibits A-J (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	AA	2/12/07 SCEA's Answer, Affirmative Defenses, And Counterclaims to MicroUnity's First Amended Complaint (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	

Examiner Signature		Dated Considered	11/9/07
--------------------	---	------------------	---------


*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. Send To Commissioner For Patents, P. O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/757,851		
		Filing Date	January 16, 2004		
		First Named Inventor	Craig Hansen		
		Group Art Unit	2183		
		Examiner Name	COLEMAN, ERIC		
Sheet	3	of	4	Attorney Docket Number	43876-162

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published.	T ²
EC	AB	3/2/07 MicroUnity's Answer to SCEA's Counterclaim in Response to MicroUnity's First Amended Complaint (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	AC	3/5/07 SCEA's Invalidity Contentions & Attachments A-1 (portions of G and H are Outside Counsel Eyes Only and are not included) (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	AD	4/3/07 SCEA's Supplemental Disclosures (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	AE	5/1/07 SCEA's Supplemental Invalidity Contentions & Attachments A-1 (Exhibits A2, E2, F2, G9 and H7 are Outside Counsel Eyes Only and are not included) (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	AF	5/9/07 SCEA's Amended Answer, Affirmative Defenses, And Counterclaims to MicroUnity's First Amended Complaint (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	AG	5/22/07 MicroUnity's LPR 4-1 Proposed List of Terms to be Constructed (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	AH ¹	5/22/07 SCEA's Proposed List of Claim Terms, Phrases, Clauses, And Elements For Construction (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	AI	5/29/07 MicroUnity's Answer to SCEA's Amended Counterclaim in Response to MicroUnity's First Amended Complaint (<i>MicroUnity Systems Engineering, Inc. v. Sony Computer Entertainment America, Inc.</i> ; 2:05-cv-505; USDC for the Eastern District of Texas, Marshall Division)	
EC	AJ	11/22/06 Complaint Against Advanced Micro Devices, Inc. and Exhibits A-L (<i>MicroUnity Systems Engineering, Inc. v. Advanced Micro Devices, Inc.</i> ; 2:06-cv-486; USDC for the Eastern District of Texas, Marshall Division)	
EC	AK	2/26/07 AMD's Answer to MicroUnity's Complaint (<i>MicroUnity Systems Engineering, Inc. v. Advanced Micro Devices, Inc.</i> ; 2:06-cv-486; USDC for the Eastern District of Texas, Marshall Division)	
EC	AL	Advance Datasheet for MT48LC2M8S1(S) 2 Meg x 8 SDRAM, Micron Semiconductor, Inc., 2-43 to 2-84 (1994)	

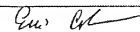
Examiner Signature		Dated Considered	11/9/07
--------------------	--	------------------	---------

*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. Send To Commissioner For Patents, P. O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/757,851		
		Filing Date	January 16, 2004		
		First Named Inventor	Craig Hansen		
		Group Art Unit	2183		
		Examiner Name	COLEMAN, ERIC		
Sheet	4	of	4	Attorney Docket Number	43876-162

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published.	
EC	AM	Asprey et al., "Performance Features of the PA7100 Microprocessor," IEEE Micro, 22-35 (June 1993)	
EC	AN	BSP and BSP Customer Attributes, Inclosure 5, Burroughs Corporation (Aug. 1, 1977)	
EC	AO	BSP Floating Point Arithmetic, Burroughs Corporation, (Dec. 1978)	
EC	AP	BSP Implementation of Fortran, Burroughs Corporation (Feb. 1978)	
EC	AQ	BSP, Burroughs Scientific Process, Burroughs Corporation, 1-29 (June 1977)	
EC	AR	Bursky, "Synchronous DRAMs Clock At 100 MHz," Electronic Design, Vol. 41, No. 4, 45-49 (Feb. 18, 1993)	
EC	AS	D. D. Gajski and L. P. Rubinfeld, "Design of Arithmetic Elements for Burroughs Scientific Processor," Proceedings of the 4th Symposium on Computer Arithmetic, Santa Monica, CA, 245-256 (1978)	
EC	AT	"System Architecture," ELXSI (2d Ed. Oct. 1983)	
EC	AU	"System Foundation Guide," ELXSI (1st Ed. Oct. 1987)	
EC	AV	L. Higbie, "Applications of Vector Processing," Computer Design, 139-45 (Apr. 1978)	
EC	AW	Idc et al., "A 320-MFLOPS CMOS Floating-Point Processing Unit for Superscalar Processors," IEEE Journal of Solid-State Circuits, Vol. 28, No. 3, 352-61 (Mar. 1993)	
EC	AX	"IEEE Standard for Communicating Among Processors and Peripherals Using Shared Memory (Direct Memory Access—DMA)," IEEE (1994)	
EC	AY	D.A. Kuck & R. Stokes, "The Burroughs Scientific Processor (BSP)," IEEE Transactions on Computers, vol. C-31, No. 5, 363-76 (May 1982)	
EC	AZ	Lee, "Accelerating Multimedia with Enhanced Microprocessors," IEEE Micro, Vol. 15, No.2, 22-32 (Apr. 1995)	
EC	BA	Lion Extension Architecture (Oct. 12, 1991)	
EC	BB	"MC88110 Second Generation RISC Microprocessor User's Manual," Motorola (1991)	
EC	BC	Spaderna et al., "An Integrated Floating Point Vector Processor for DSP and Scientific Computing," IEEE International Conference on Computer Design: VLSI in Computers and Processors, 8-13 (Oct. 1989)	
EC	BD	Sprunt et al., "Priority-Driven, Preemptive I/O Controllers for Real-Time Systems," IEEE (1988)	
EC	BE	Thornton, "Design of a Computer-The Control Data 6600," Scott, Furcman and Company (1970)	
EC	BF	Watkins et al., "A Memory Controller with an Integrated Graphics Processor," IEEE, 324-36 (1993)	
EC	BG	Patent Family Tree of Patent 5,742,840	43876-162 Filed 6/20/07
Examiner Signature			Dated Considered 11/9/07

*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. Send To Commissioner For Patents, P. O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2

Complete if Known

(use as many sheets as necessary)

Sheet	1	of	1	Attorney Docket Number	43876-162
-------	---	----	---	------------------------	-----------

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published.

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published.	T ²
		Control No. 90/007,583 (Reexam of US 5,742,840) Supplemental Response filed October 31, 2008	
		MJB08274EP Extended European Search Report dated November 26, 2008 in Application No. / Patent No. 07112545.4-1243 / 1879103	
		MJB08275EP Extended European Search Report dated November 11, 2008 in Application No. / Patent No. 07112548.8-1243 / 1879398	
		Greenley et al., "UltraSPARC TM : The Next Generation Superscaler 64-bit SPARC," IEEE, 442-51 (1995) (XP000545452)	
		Gwennap, "UltraSPARC Adds Multimedia Instructions," <i>Microprocessor Report</i> , vol.8, no.6, 1-3 (Dec. 5, 1994), MicroDesign Resources © (1994) (XP000561690)	
		Kohn et al., "The Visual Instruction Set (VIS) in UltraSPARC TM ," IEEE, 462-469 (1995) (XP000545454)	
		Shipes, "Graphics Processing with the 88110 RISC Microprocessor," <i>IEEE COMPCON SPRING '92</i> , 169-74 (Feb. 24-28, 1992) (XP000340730)	
		Zhou et al., "MPEG Video Decoding with the UltraSPARC Visual Instruction Set," IEEE, 470-75 (1995) (XP002472254)	
		Zucker, Daniel F. et al. Reuse of High Precision Arithmetic Hardware to Perform Multiple Concurrent Low Precision Calculation, <i>IEEE</i> , April 1994	
		Chart: MicroUnity Media Processor Patent Family (last modified 6/20/07)	

Examiner Signature	/Eric Coleman/	Date Considered	02/25/2009
-----------------------	----------------	--------------------	------------

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH /F.C./